

FIG 1

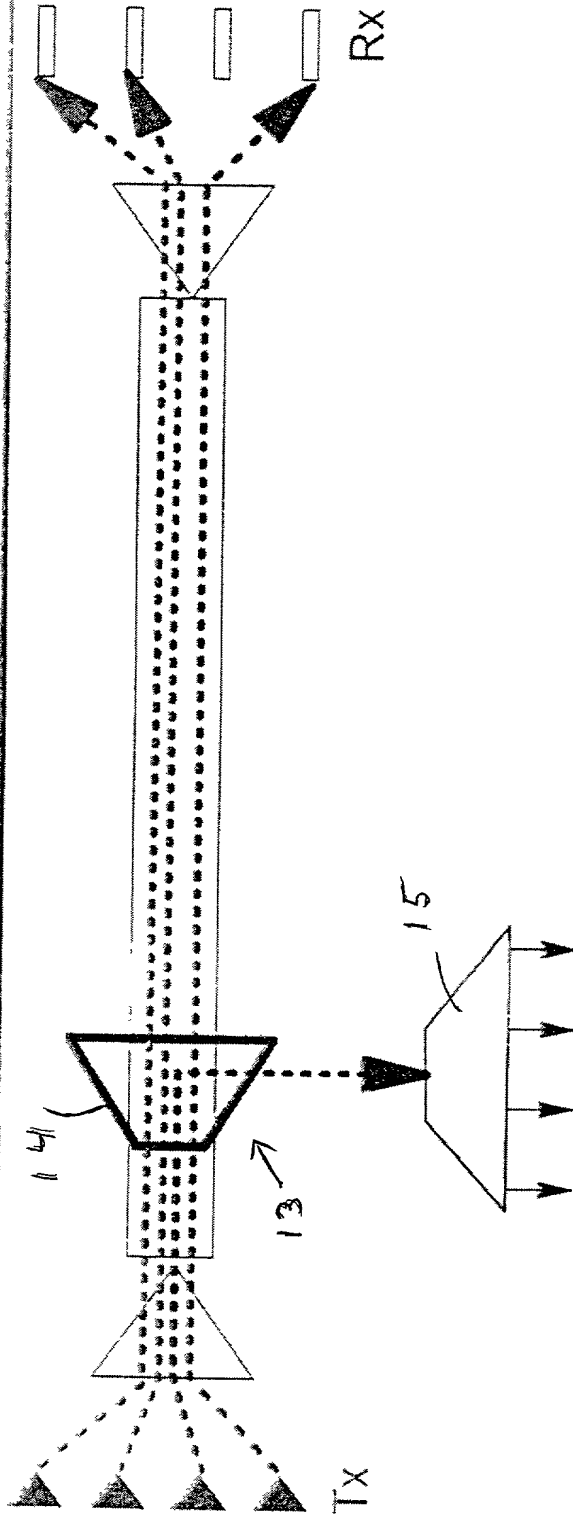


FIG 2

FIG. 3 is a schematic diagram of a system for measuring the force of a blow on a target. The system includes a target 24, a force sensor 22, a data acquisition system 25, and a display 27. The target 24 is a rectangular block with a square opening in the center. The force sensor 22 is a rectangular block with a vertical rod extending from its top. The data acquisition system 25 is a rectangular block with a vertical rod extending from its top. The display 27 is a rectangular block with a vertical rod extending from its top. The target 24 is positioned between the force sensor 22 and the data acquisition system 25. The force sensor 22 is positioned above the target 24. The data acquisition system 25 is positioned below the target 24. The display 27 is positioned to the right of the data acquisition system 25. Arrows indicate the direction of force applied to the target 24 and the resulting movement of the force sensor 22 and data acquisition system 25.

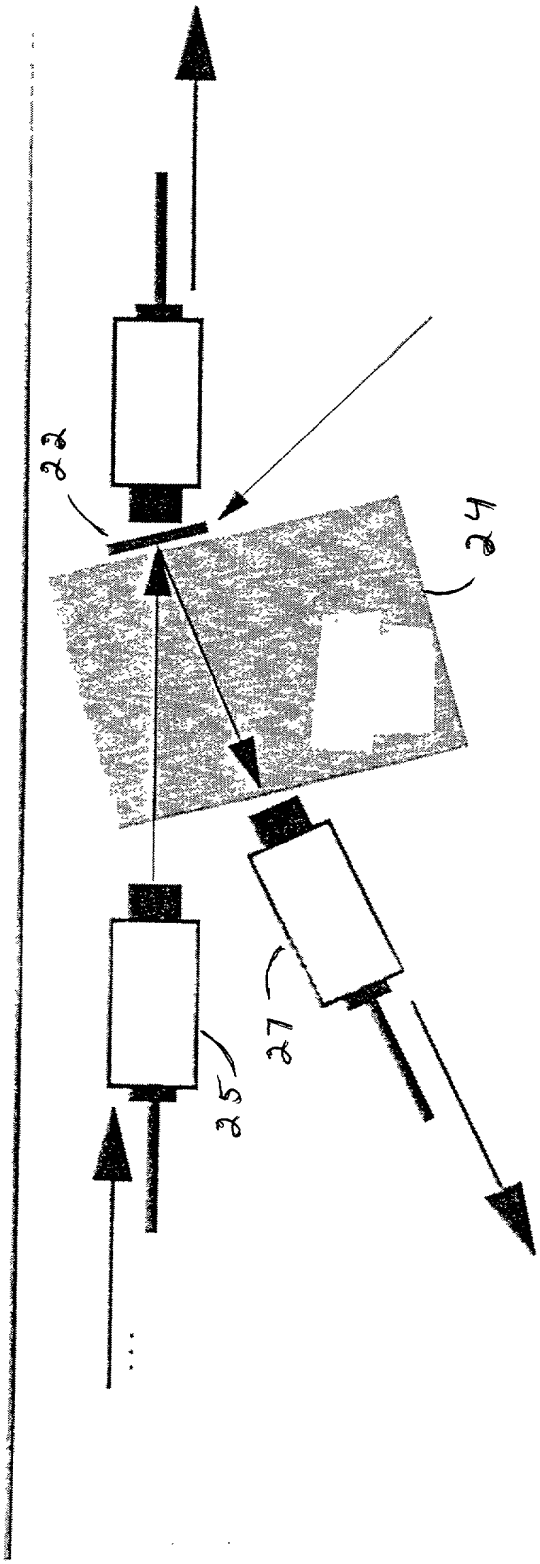


FIG 3

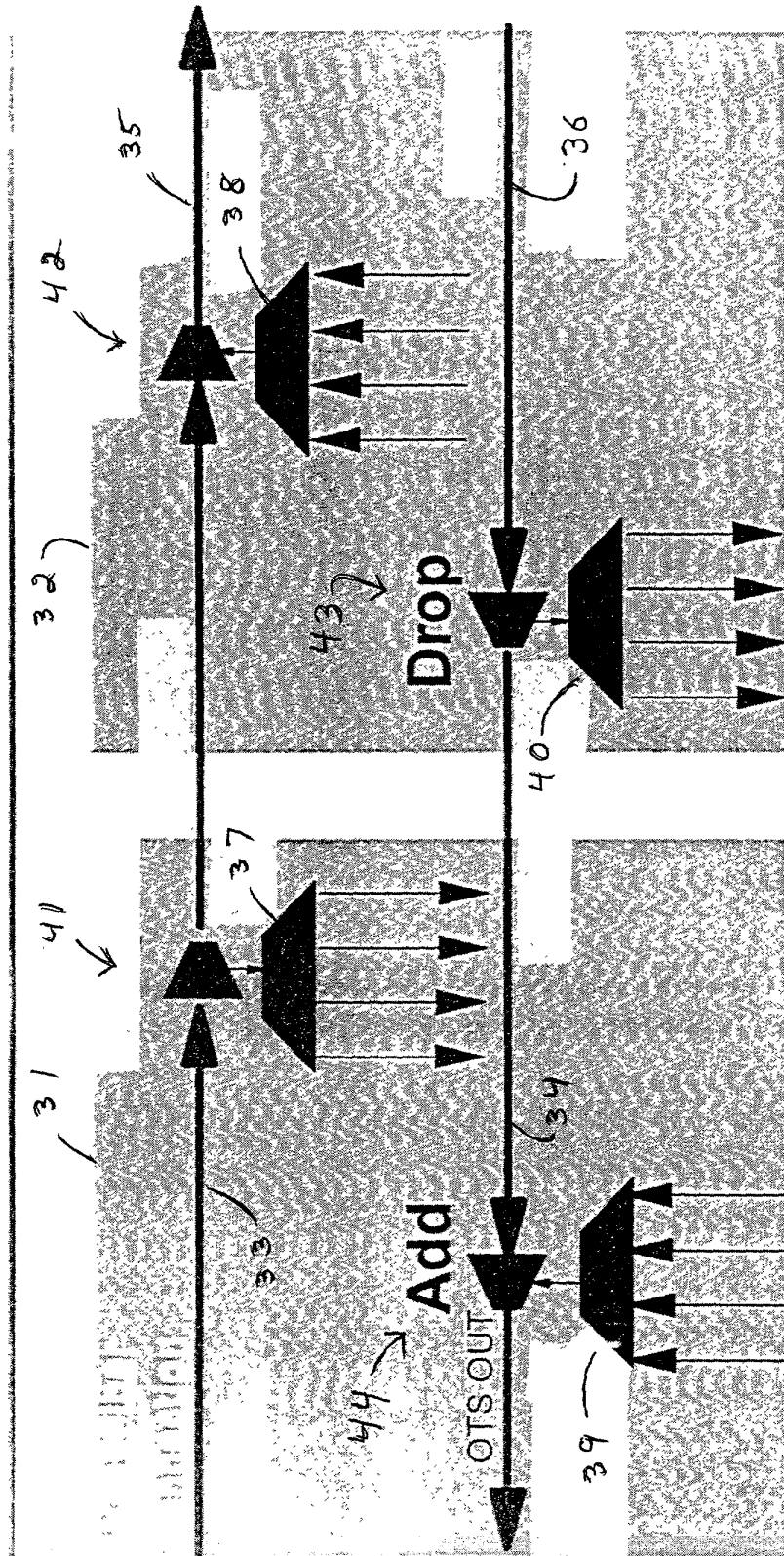


FIG 4

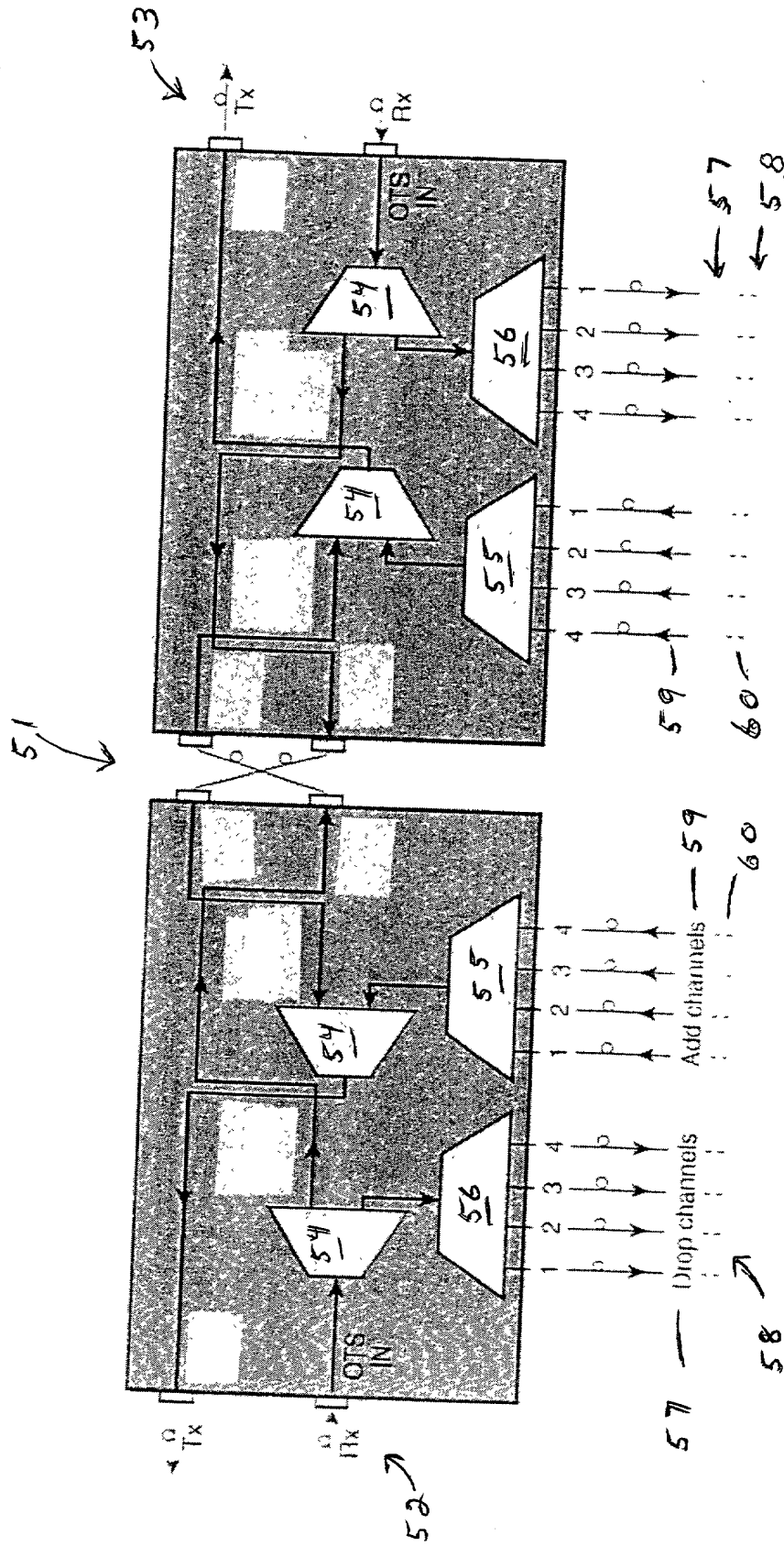


FIG 5

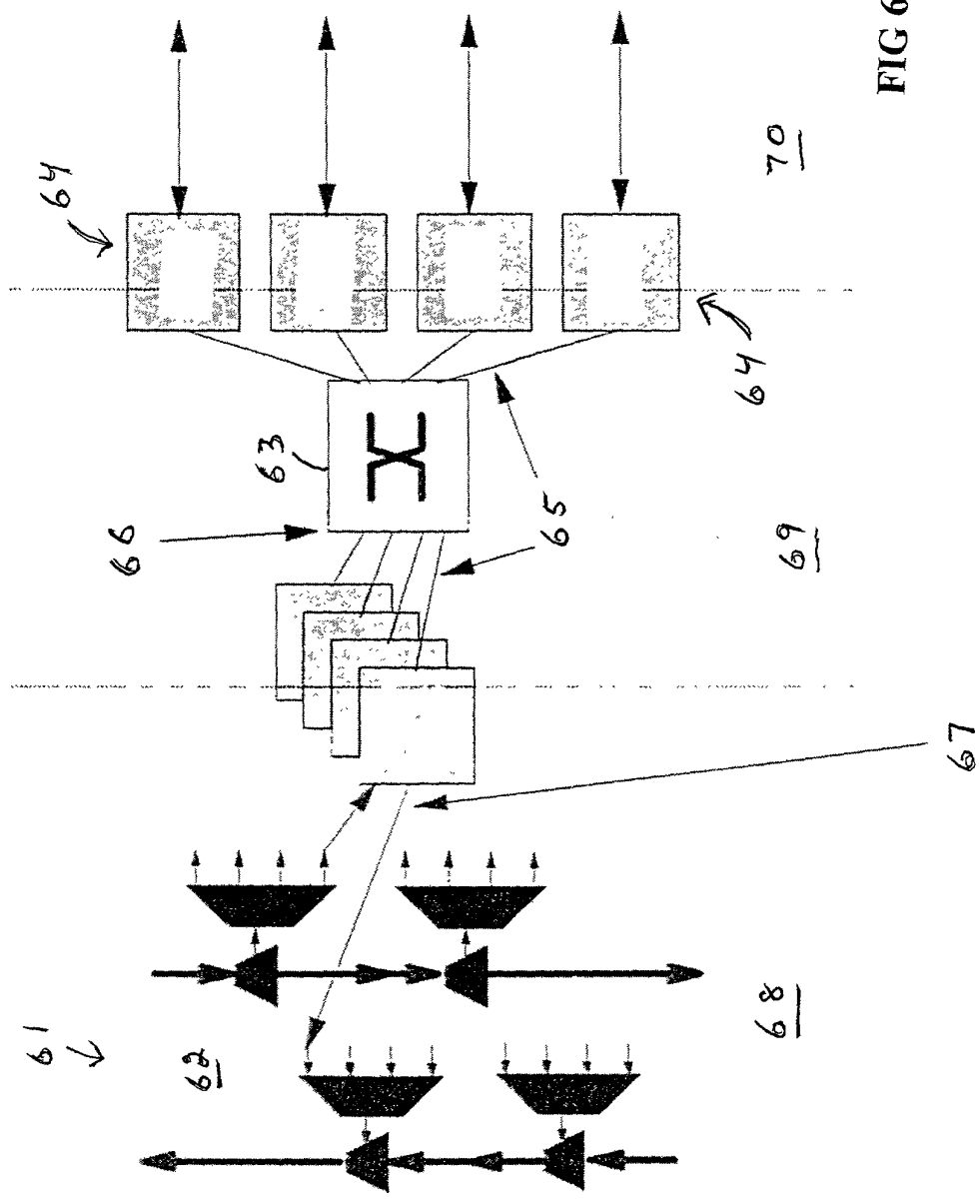


FIG 6

100
✓

OCM - add side

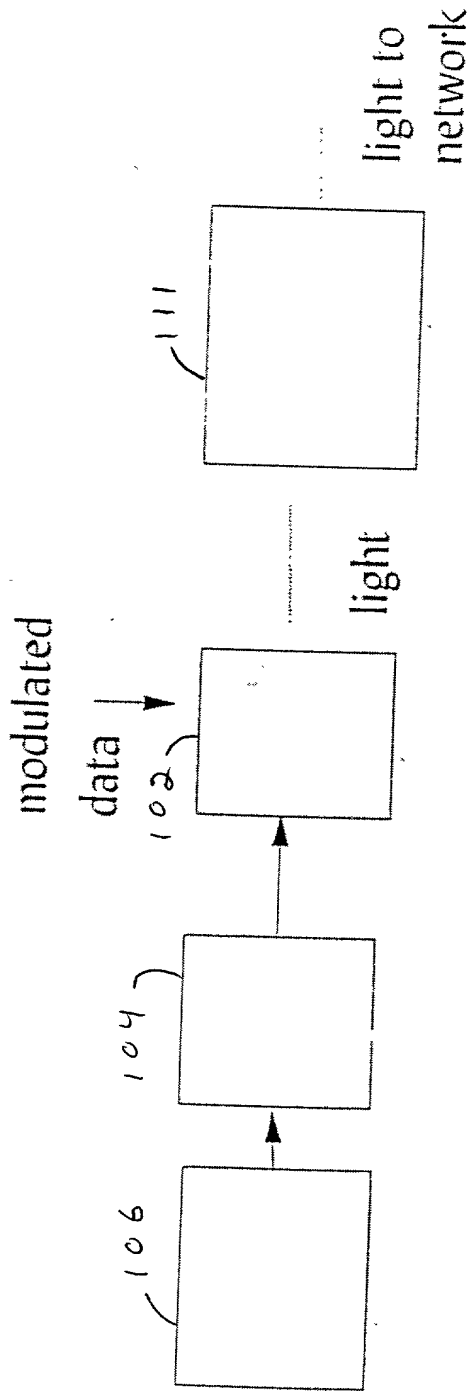
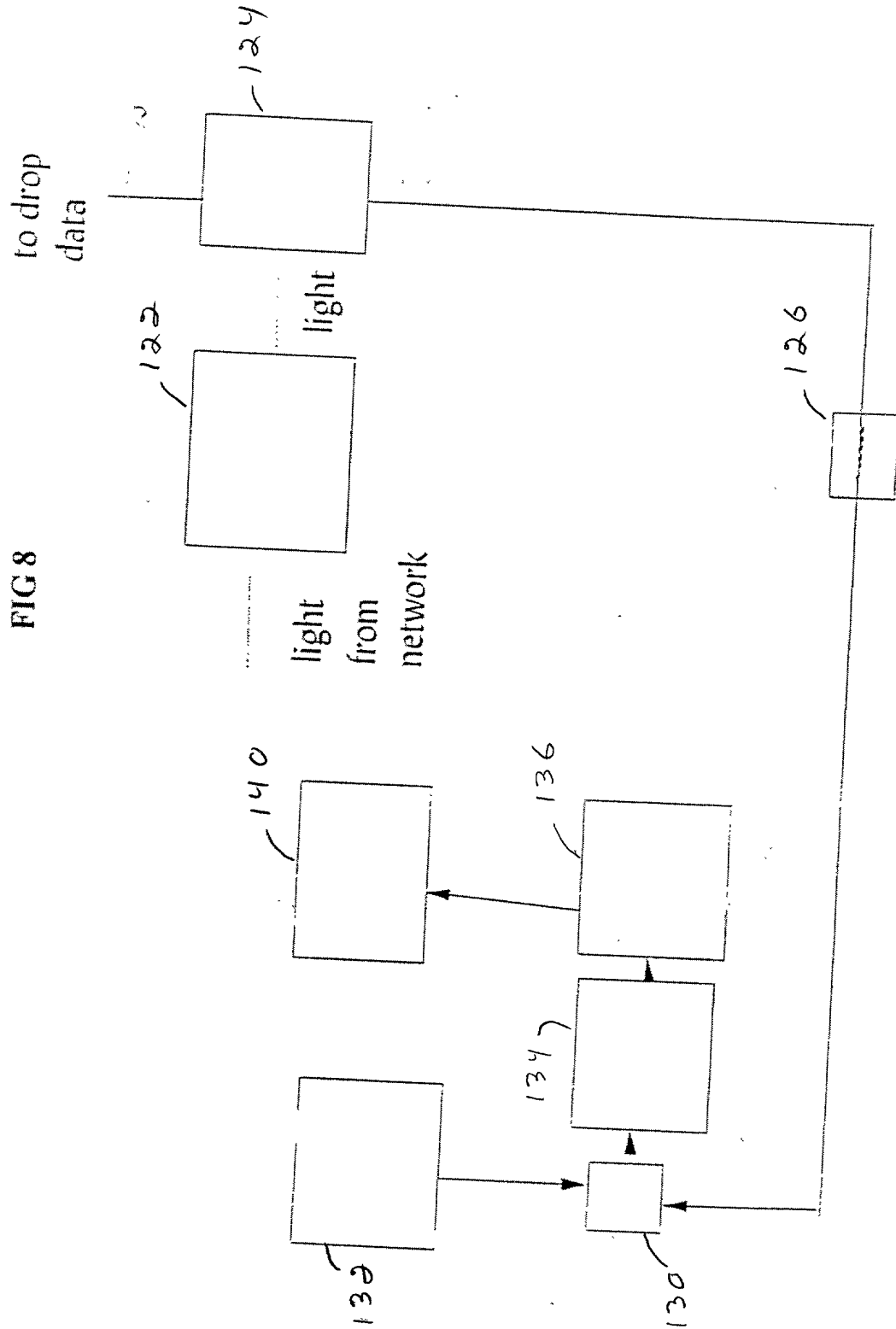


FIG 7

OCM - drop side

FIG 8



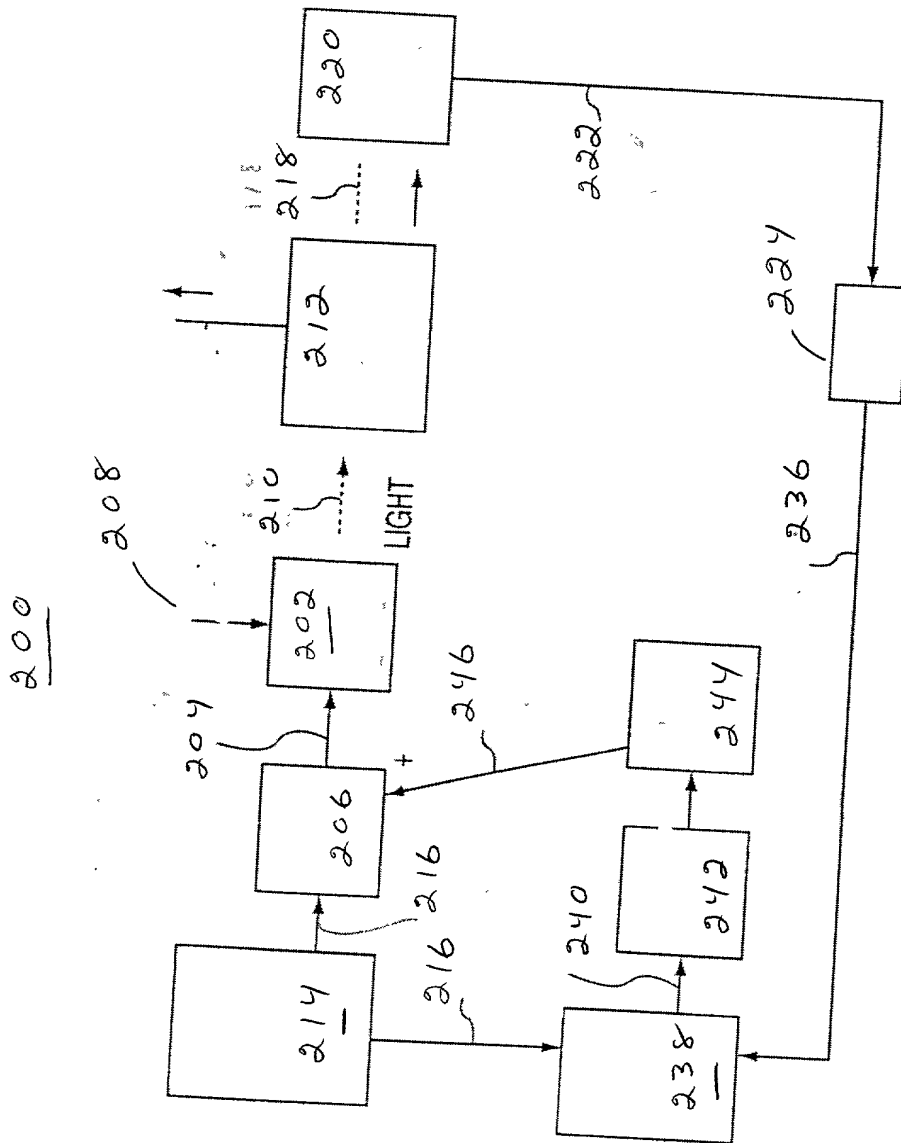


FIG 9

250

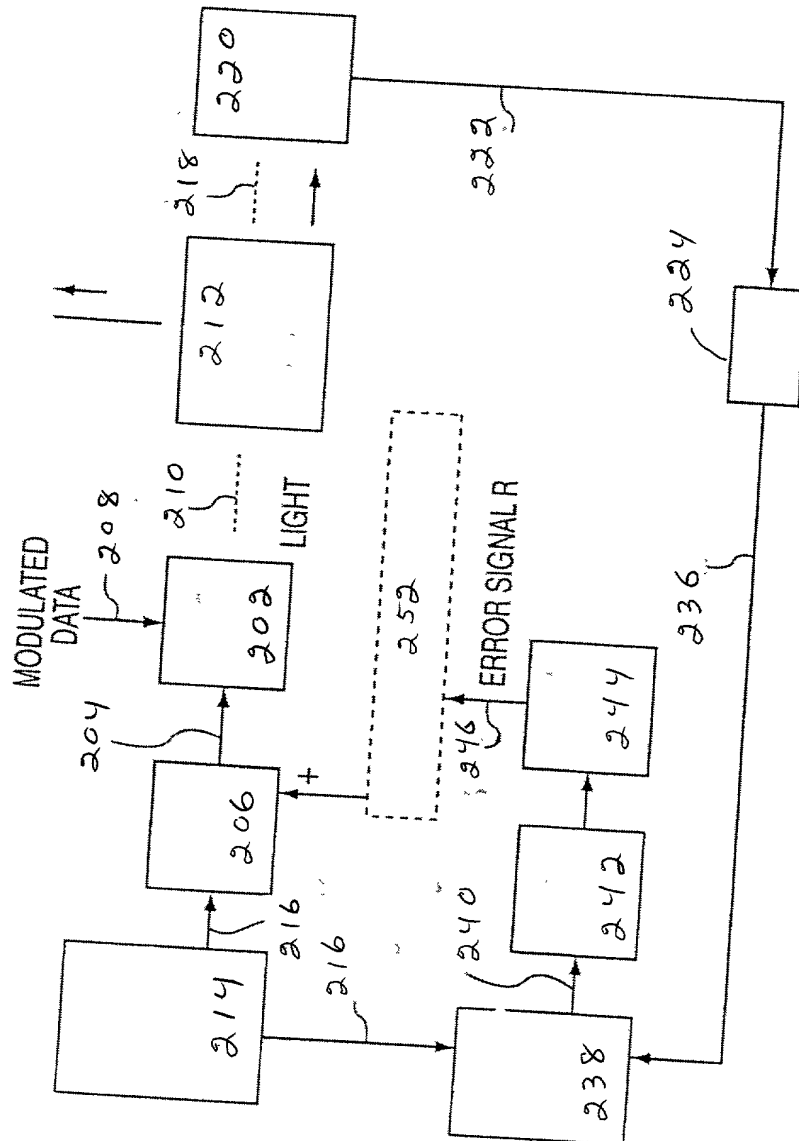


FIG 10

The diagram illustrates a system architecture for processing modulated data. The components and their interconnections are as follows:

- Input:** "MODULATED DATA" enters from the left.
- Block 206:** Receives the input signal via connection 204.
- Block 202:** Receives output from block 206 via connection 208.
- Block 212:** Receives output from block 202 via connection 210. It also receives an external "LIGHT" input via connection 218.
- Block 220:** Receives output from block 212 via connection 222.
- Block 214:** Receives output from block 220 via connection 216.
- Block 238:** Receives output from block 214 via connection 240.
- Block 242:** Receives output from block 238 via connection 244.
- Block 244:** Receives output from block 242 via connection 246.
- Block 224:** Receives output from block 244 via connection 236.
- Output:** Block 224 produces two outputs: one returning to block 212 via connection 216, and another exiting the system via connection 224.

FIG 11